SEQUENCE LISTING

<110> Allen, Keith D. <120> TRANSGENIC MICE CONTAINING THYROID STIMULATING HORMONE RECEPTOR (TSH-R) GENE DISRUPTIONS <130> R-666 <150> US 60/243,895 <151> 2000-10-26 <160> 4 <170> FastSEQ for Windows Version 4.0 <210> 1 <211> 2512 <212> DNA <213> Mus musculus <400> 1 cagcgtcaga cgcagggcac tgagaatgtg cgacagcgcg caacgatgaa gtagcccaga 60 gggtcccttg gaaaatgagg ccagggtccc tgctgctgct tgttctgctg ctcgccctgt 120 ccaggagcct gcggggcaaa gagtgtgcgt ctccaccctg tgagtgtcac caggaggacg 180 acttcagagt cacctgcaag gagctccacc gaatccccag cctgccgccc agcacccaga 240 ctctgaagct catcgagact catctgaaga ccatacccag tcttgcattt tcgagtctgc 300 ccaatatttc caggatctat ttatctatag atgcaactct gcagcggctg gaaccacatt 360 ctttctacaa tttgagtaaa atgactcaca tagaaatccg gaacaccaga agcttaacct 420 atatagaccc tgatgccttg acagagctcc ccttgctcaa gtttcttggc attttcaata 480 ctgqacttaq aatattccct gacttgacca aaatttattc cacggacata ttctttatac 540 ttqaaatcac aqacaaccct tacatgactt cggtccctga aaacgcattc cagggcctat 600 qcaatqaaac cttqaccctq aaactgtaca acaatggatt tacttcagtc caaggacatg 660 ctttcaatqq aacaaaqctq qatqctqttt acctaaacaa gaataaatac ctgacagcta 720 tagacaacga tgcctttgga ggagtataca gtggaccaac tttgctagat gtgtcttcca 780 ccaqcqtcac tqccttcct tccaaaqqcc tqqagcacct caaagaactg atcgcaaaag 840 acacctggac totcaaaaag ctcccgctgt cgttgagttt cctccacctc actcgggctg 900 acctctctta cccgagccac tgctgcgctt ttaagaacca gaagaaaatc aggggaatcc 960 tggagtcttt gatgtgtaat gagagcagta tccggaacct tcgtcaaagg aaatcagtga 1020 acatcttgag gggtcccatc taccaggaat atgaagaaga tccgggtgac aacagtgttg 1080 ggtacaaaca aaactccaag ttccaggaga gcccaagcaa ctctcactat tacgtcttct 1140 ttgaagaaca agaggatgag gtcgttggtt tcggccaaga gctcaaaaat cctcaggaag 1200 agacteteca ageettegag ageeactatg actacaeggt gtgtggggae aaegaggaea 1260 tggtgtgtac ccccaagtcg gacgagttta acccctgtga agatatcatg ggctacaggt 1320 tcctgagaat cgtggtgtgg tttgtcagtc tgctggctct cctgggcaat atcttcgtcc 1380 tgctcattct gctaaccagc cactacaaat tgaccgtgcc gcggttcctc atgtgcaact 1440 tggcctttgc agatttctgc atgggggtat acctgcttct cattgcctct gtagacctgt 1500 acacacactc tgagtactac aaccacgcca tcgactggca gacgggccct gggtgcaaca 1560 cggctggctt cttcactgtt ttcgccagtg agttatcagt gtacacactg acggtcatca 1620 ccctggagcg atggtacgcc atcaccttcg ccatgcgcct ggataggaag atccgcctca 1680 ggcacgcgta caccatcatg gctgggggct gggtttcctg cttccttctc gccctgctcc 1740 cgatggtggg aatcagcagc tatgccaagg tcagcatctg cctgccaatg gacaccgaca 1800 cccctcttgc actcgcatac attgtcctcg ttctgctgct caatgttgtt gcctttgttg 1860 tcgtctgttc ctgctatgtg aagatctaca tcacggtccg aaatccccag tacaaccctc 1920 gagataaaga caccaagatt gccaagagga tggctgtgtt gatcttcact gacttcatgt 1980 gcatggcgcc catctccttc tatgcgctgt cggcacttat gaacaagcct ctaatcactg 2040 ttactaactc caaaatcttg ttggttctct tctaccccct caactcctgt gccaatccgt 2100 ttctctatgc tattttcacc aaggccttcc agagggacgt gttcatcctg ctcagcaagt 2160

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